

PCT #8 P.G  
1-30-01

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FROM: Kathleen D. Rigaut, Ph.D., J.D.

OPERATOR: Jane C. Bogan

RE: U.S. Patent Application No. 09/463,098

Message: The Official Filing Receipt shows a misspelling in the name of one of the inventors. The Official Filing Receipt shows the name Riccardo Cotano. Please correct this to read Riccardo Cortese. Transmitted herewith are copies of the Declaration, Assignment Document and 1<sup>st</sup> page of the Published PCT application evidencing the correct spelling. It is further requested that a new official filing receipt be issued when the Patent and Trademark Office records have been corrected.

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/463,098	05/15/2000	1645	2176	MEWBURN	9	87	3

110  
**DANN DORFMAN HERRELL & SKILLMAN**  
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Date Mailed: 07/10/2000

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**Applicant(s)**

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**Continuing Data as Claimed by Applicant**

THIS APPLICATION IS A 371 OF PCT/EP99/03344 05/14/1999

**Foreign Applications**

UNITED KINGDOM 9810756.8 05/19/1998

**If Required, Foreign Filing License Granted 07/06/2000****Title**

MIMOTOPES OF HYPERVARIABLE REGION 1 OF THE E2 GLYCOPROTEIN OF HCV AND USES THEREOF

**Preliminary Class**

435

Data entry by : ORDENEZ, MARTA

Team : OIPE

Date: 07/10/2000



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BURN ELLIS

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

## Recitals:

## WHEREAS

(1) **ALFREDO NICOSIA**, of Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Via Pontina, Km. 30.600, 00040 Pomezia (Roma), Italy.

(2) **ARMIN LAHM**, of Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Via Pontina, Km. 30.600, 00040 Pomezia (Roma), Italy.

(3) **ANNA TRAMONTANO**, of Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Via Pontina, Km. 30.600, 00040 Pomezia (Roma), Italy and

(4) **RICCARDO CORTESE**, of Istituto di Ricerche di Biologia Molecolare P. Angeletti S.p.A., Via Pontina, Km. 30.600, 00040 Pomezia (Roma), Italy

(together/collectively hereinafter referred to as "the Inventors") have invented certain new and useful improvements in: **Mimotopes of Hypervariable Region 1 of the E2 Glycoprotein of HCV and Uses Thereof** the specification of which was filed as United States Patent Application No. 09/463098, filed In the United States Patent Office on 18 January 2000, (hereinafter referred to as "the Application")

AND WHEREAS ISTITUTO DI RICERCHE DI BIOLOGIA MOLECOLARE P. ANGELETTI S.p.A., a company incorporated and registered in Italy and having a principal place of business at Via Pontina KM. 30.600, 00040 Pomezia (Roma), Italy (hereinafter referred to as "the Assignee") is desirous of acquiring the entire right, title and interest, for the United States of America, in and to the Application and the invention and improvements therein disclosed, and any Letters Patent which may issue therefor in the United States of America and all divisionals, continuations, reissues, re-examinations, renewals, and extensions thereof.

## Operative Provisions:

NOW THEREFORE in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged the Inventors hereby ASSIGN absolutely unto the Assignee all their right, title and interest in and to the Application and the invention and improvements therein disclosed, for the United States of

09/463,098

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12. JAN 2004 15:07

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International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: <b>C12N 15/40, C07K 14/18, C12N 15/62, A61K 39/29, C07K 16/10</b>		A1	(11) International Publication Number: <b>WO 99/60132</b> (43) International Publication Date: <b>25 November 1999 (25.11.99)</b>
(21) International Application Number: <b>PCT/EP99/03344</b>		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EB, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, QM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: <b>14 May 1999 (19.05.99)</b>		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. Under Rule 91.1(f), with a request for rectification.	
(30) Priority Data: <b>9810756.8 19 May 1998 (19.05.98) GB</b>			
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(54) Title: <b>MIMOTOPES OF HYPERVARIABLE REGION 1 OF THE E2 GLYCOPROTEIN OF HCV AND USES THEREOF</b>			
(57) Abstract Peptides which are mimotopes of the hypervariable region 1 (HVR1) of the putative envelope protein E2 of hepatitis C virus (HCV) are provided, useful in obtaining antibodies and raising an immune response cross-reactive against different strains of HCV.			